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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kensuke KOMATSU et al.

Group Art Unit : 1743

Appl. No. : 10/767,334

Examiner : Arlen SODERQUIST

Filed : January 30, 2004

Confirmation No. : 5231

For : FLUORESCENT PROBE FOR ZINC



## SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
U.S. Patent and Trademark Office  
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Randolph Building  
401 Dulany Street  
Alexandria VA 22314

Sir :

Further to the Information Disclosure Statements filed November 5, 2004, and November 22, 2004, and in accordance with the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants hereby bring the following information to the attention of the Examiner:

- (1) U.S. Pat. No. 6,903,226;
- (2) U.S. Pat. App. Publication No. 2003/0157727;
- (3) U.S. Pat. App. Publication No. 2003/0153027;
- (4) U.S. Pat. App. Publication No. 2005/0037332;
- (5) U.S. Pat. App. Publication No. 2005/0064308;
- (6) U.S. Pat. App. Publication No. 2005/0182253;
- (7) U.S. Pat. App. Publication No. 2006/0030054;

- (8) U.S. Application No. 10/531,664, which is a National Stage Application of PCT/JP2003/013179, and which published as WO 2004/040296;
- (9) U.S. Application No. 10/570,355, which is a National Stage Application of PCT/JP2004/013185, and which published as WO 2005/024049;
- (10) U.S. Pat. App. No. 11/433,691, which is a continuation of 10/994,380 which published as U.S. Pat. App. Publication No. 2005/0064308, which is a divisional of 10/203,628, and now U.S. Pat. No. 6,903,226.
- (11) U.S. Pat. App. No. 11/382,424, which is a continuation of U.S. Application No. 10/204,417 which published as U.S. Pat. App. Publication No. 2003/0153027, and which U.S. Application No. 10/204,417 is a National Stage Application of PCT/JP2001/01504, and which published as WO 01/63265;
- (12) U.S. Pat. No. 6,756,231;
- (13) U.S. Pat. No. 6,469,051;
- (14) U.S. Pat. No. 6,441,197;
- (15) U.S. Pat. App. Publication No. 2005/0123478;
- (16) U.S. Pat. App. Publication No. 2005/0130314;
- (17) U.S. Pat. App. Publication No. 2004/0147035;
- (18) U.S. Pat. App. Publication No. 2004/0043498;
- (19) U.S. Patent No. 6,013,802;
- (20) U.S. Patent No. 6,833,386;
- (21) U.S. Patent No. 6,569,892;
- (22) U.S. Patent No. 5,874,590.

- (23) U.S. Patent No. 5,648,270;
- (24) U.S. Patent No. 6,469,051;
- (25) U.S. Patent No. 6,525,088;
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In accordance with 37 C.F.R 1.98, a copies of the U.S. Patents and U.S. Patent Application Publications are not enclosed herewith. However, if copies are needed, the Examiner is respectfully requested to contact the undersigned.

Copies of the above-noted documents, with the exception of U.S. patents and U.S. Patent Application Publications, are enclosed together with a duly completed Form PTO-1449. The Examiner is accordingly requested to consider each of these documents, and to make them of record in this application by initialing in the appropriate spaces on the Form-1449. Applicants respectfully request that the Examiner include a copy of the initialed Form PTO-1449 with the next communication from the U.S. Patent and Trademark Office.

Applicants note that while this Second Supplemental Information Disclosure Statement is being filed more than three months from the filing date, Applicants have not received an action on the merits from the U.S. Patent and Trademark Office. Accordingly, consideration of the enclosed document is required under 37 C.F.R. 1.97(b)(3).

However, if an action on the merits has been mailed prior to the filing date of this Supplemental Information Disclosure Statement, Applicants hereby authorize the charging of any required fees necessary for consideration of the documents cited herein to Deposit Account No. 19-0089.

Any comments or questions concerning this application can be directed to the undersigned at the telephone number given below.

Respectfully Submitted,  
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FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P24867	Application No. 10/767,334
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)				Applicant Kensuke KOMATSU et al.	O P E JUN 12 2006 PATENT & TRADEMARK OFFICE IAPES
				Filing Date January 30, 2004	

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6 9 0 3 2 2 6	06/07/05	NAGANO et al.			
2003	0 1 5 7 7 2 7	08/21/03		NAGANO et al.			
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2005	0 0 3 7 3 3 2	02/17/05		KOMATSU et al.,			
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2006	0 0 3 0 0 5 4	02/09/06		NAGANO et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
2004	/ 0 4 0 2 9 6	05/13/04		W.I.P.O				

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EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. P24867	Application No. 10/767,334
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			Applicant Kensuke KOMATSU et al.		
			Filing Date January 30, 2004	Group 1743	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	99	/ . 1 5 8 9 6	04/01/99	W.I.P.O			
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6	Tetsuji Kametani, Nankodo Co., Ltd., pp. 214-215, 1997.
7	Handbook of Fluorescent Probes and Research Chemicals, 6th Edition by Richard P. Haugland, pp. 503 and 531-540.
8	Protective Groups in Organic Synthesis, T. W. Greene, John Wiley & Sons, Inc. pp. v-xxi and 369-405.
9	English Language Abstract of JP 2000-239272.
10	Angew. Chem., Int. Ed. (1999), 38(21), pp. 3209-3212
11	Anal. Chem. (1998), 70(13), pp. 2446-2453.
12	Bioorganic & Medicinal Chemistry, Vol.4, No.6, pp. 901-916, (1996
13	Bioorg. Khim. (1995), 21(10), pp. 795-801,
14	Sci. China, Ser. B: Chem. (1998), 41(5), pp. 549-555.
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16	Walkup G. K. et al., "A New Cell-Permeable Fluorescent Probe for Zn <sup>2+</sup> ", J. Am. Chem. Soc., Vol. 122, No. 23, 14 June 2000, pp. 5644-5645.
17	BAMBOT, S.B. et al., "Potential Applications of Lifetime-Based, Phase-Modulation Fluorimetry in Bioprocess and Clinical Monitoring", Trends in Biotechnology, Vol. 13, No. 3, March 1995, pages 106-115, XP 004207135.
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EXAMINER	DATE CONSIDERED
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FORM PTO-1449			U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P24867	Application No. 10/767,334	
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